

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (previously amended) A beamblock tray for use with multiple defining heads in a medical linear accelerator, the beamblock tray comprising:

a tray portion; and

a plurality of coded connectors coupled to the tray portion, wherein the tray portion can be inserted into a defining head in a plurality of directions based upon the plurality of coded connectors, and wherein each of the plurality of coded connectors allow the tray to be intelligent enough to identify its orientation to a user.

2. (original) The tray of claim 1 which includes a flange which surrounds the tray portion and is coupled between the plurality of coded connectors and the tray portion.

3. (original) The tray of claim 1 wherein the plurality of coded connectors comprise first and second coded connectors.

4. (original) The tray of claim 3 wherein the first coded connector is located along a bottom edge of the tray portion and the second coded connector is located along a left edge of the tray portion.

5. (previously canceled)

6. (previously amended) A beamblock tray for use with multiple defining heads in a medical linear accelerator, the beamblock tray comprising:

a tray portion ; and

first and second coded connectors coupled to the tray portion, wherein the tray portion can be inserted into a defining head in a plurality of directions based upon the first and second coded connectors, and a flange which surrounds the tray portion is coupled between the first and second coded connectors and the tray portion, and wherein each of the first and second coded connectors allow the tray to be intelligent enough to identify its orientation to a user.

7. (original) The tray of claim 6 wherein the first coded connector is located along a bottom edge of the tray portion and the second coded connector is located along a left edge of the tray portion.

8. (original) The tray of claim 7 wherein each of the first and second coded connectors comprises a resistor pair.

9. (currently amended) A medical linear accelerator comprising:

a support gantry coupled to ~~the~~ a control console in the medical linear accelerator;

a defining head coupled to the support gantry; and

a beamblock tray for use with the defining head, the beam block tray comprising a tray portion and a plurality of coded connectors coupled to the tray portion, wherein the tray portion can be inserted into the defining head in a plurality of directions based upon the plurality of coded connectors, and wherein each of the plurality of coded connectors allow the tray to be intelligent enough to identify its orientation to a user.

10. (previously amended) The medical linear accelerator of claim 9 which includes a flange which surrounds the tray portion and is coupled between the plurality of coded connectors and the tray portion.

11. (original) The medical linear accelerator of claim 9 wherein the plurality of coded connectors comprise first and second coded connectors.

12. (original) The medical linear accelerator of claim 11 wherein the first coded connector is located along a bottom edge of the tray portion and the second coded connector is located along a left edge of the tray portion.

13. (previously canceled)

14. (previously amended) A method for determining if a beamblock tray is oriented correctly in a defining head of a medical linear accelerator, the method comprising the steps of:

(a) uniquely associating the tray with a particular patient based on a code;

- (b) determining if a coded connector of a plurality of coded connectors on the beamblock tray is recognized as having the code;
- (c) identifying a mismatch if the coded connector is not recognized; and
- (d) preventing radiation from being delivered by the medical linear accelerator.

15. (currently amended) The method of claim 14 ~~which~~ that further includes the step of alerting a radiation therapist if radiation is not delivered.

16. (currently amended) A medical linear accelerator comprising:  
a support gantry coupled to ~~the~~ a control console in a medical linear accelerator;  
a defining head coupled to the support gantry; and  
a beam block tray for use with the defining head, the beamblock tray comprising a tray portion and first and second coded connectors coupled to the tray portion, wherein the tray portion can be inserted into a defining head in a plurality of directions based upon the first and second coded connectors, and a flange which surrounds the tray portion is coupled between the first and second coded connectors and the tray portion, and wherein the coded connectors allow the tray to be intelligent enough to identify its orientation to a user.

17. (original) The medical linear accelerator of claim 16 wherein the first coded connector is located along a bottom edge of the tray portion and the second coded connector is located along a left edge of the tray portion.

18. (original) The medical linear accelerator of claim 16 wherein the first and second coded connectors comprises a resistor pair.

19. (previously amended) A computer readable medium containing program instructions for determining if a beamblock tray is oriented correctly in a defining head of a medical linear accelerator, the program instructions for:

- (a) uniquely associating the tray with a particular patient based on a code;
- (b) determining if a coded connector of a plurality of coded connectors on the beamblock tray is recognized as having the code; and
- (c) identifying a mismatch if the coded connector is not recognized; and
- (d) preventing radiation from being delivered by the medical linear accelerator.

20. (original) The computer readable medium of claim 19 which includes program instructions for (d) alerting a radiation therapist if radiation is not delivered.

21. (previously added) The tray of claim 1 wherein each of the coded connectors is uniquely associated with the tray for a particular patient.

22. (previously added) The tray of claim 7 wherein each of the coded connectors is uniquely associated with the tray for a particular patient.

23. (previously added) The tray of claim 9 wherein each of the coded connectors is uniquely associated with the tray for a particular patient.